



IMT School (I Make Technology School) is not a place where you can take some courses; it is a place in which you practice technology. We believe that listening to someone speaking about something is not a good way of learning, so, “Do it yourself” is our way. Our learning methodology totally depends on hands on labs that transfers the knowledge you get from being just information to be an experience. Our staffs are engineers from leading companies in the same field. In other words, if you want to go Professional, IMT School is your destination! Let’s meet the experts, let’s practice technology.

Contact us

Mob: +20 101 998 6337

Facebook: imaketechnologyschool

Website: www.imtschool.com

Introduction

IMT is an Egyptian company that started in 2015 by embedded systems engineers based in Egypt and Germany who have graduated from ITI 9-month program, Embedded Systems and currently working in Valeo. Total graduates till the date of releasing this document is more than 5000 Engineers. The following, are some of the recommendation letters we honored to have:

1- United Nations Development Program.

United Nations Development Programme



Empowered lives.
Resilient nations.

10th September, 2017

To Whom It May Concern,

In the efforts to implement cooperation projects within the work of the United Nations Development Programme (UNDP), and within the cooperation between the programme and the Information Technology Institute (ITI) under the "Supporting ITI Activities" project.

This letter is to acknowledge that "IMT School" has been one of the technical implementation partners within the aforementioned project starting the year 2015 and until moment. "IMT School" has designed and implemented distinguished technical programs in several areas in cooperation with the UNDP and ITI. These programs included:

- Embedded systems diplomas for university instructors and seniors through the EDUTronics program in collaboration with several Egyptian Universities.
- Robotics diplomas for juniors and young adult learners.

It is worth noting that "IMT School" has continuously demonstrated an outstanding level of quality, flexibility and excellence throughout their work with project partners.

This letter is issued with no liability on project the Programme Office and/or project partners.

Best Regards,




Nadine Abou Elgheit
Team Leader in charge
Innovation for Development
UNDP-Egypt

2- Canadian International College.



Cairo Campus of

Cape
Breton
University

Letter of Recommendation

TO WHOM IT MAY CONCERN

It is with great pleasure that we the Canadian International College take the opportunity to write this letter of recommendation and reference for IMT School for providing our Engineering Students their Annual Technical Training Programs.

They have associated with the Student Development Office - SDO to conduct the Training programs in November 2018 for Communication Engineering Students, and they showed a very professional performance. Without a doubt their instructor's level of skills, expertise, and delivery methods exceeded our expectations. Their level of professionalism and passion for empowering and developing people is very evident.

The Feedback (Written and Oral) that we received during and after their Training has been exceptional. The participants expressed their gratitude for the exposure they received during the sessions of Arduino Programming, Embedded C, and Mobile Robots, and have requested IMT to provide further training in the future.

As a quality and experienced Training Provider with high levels of excellence and Professionalism. We would therefore like to give our highest recommendation to IMT. Without doubt their instructor's level of expertise will be a major benefit and a great asset to any company as it is to CIC.

Dean of Engineering School

Head of Student Development Office

Students' Development Office CIC

New Cairo Campus:

Land # 6, Center Services, South of Police Academy,
Fifth Settlement, New Cairo.

Sheikh Zayed Campus:

Land # 12, Continental Gardens, Behind El Yasmen Resort,
Sheikh Zayed City, 6th of October.

www.cic-cairo.com Hotline: 16242

3- Modern Academy.



Modern Academy for
Engineering and Technology
Electronic Engineering and Communication Department

To Whom It May Concern

We would like to inform you that our cooperation with *IMT School* through students training was a great experience in Embedded system field. Such training center is characterized by professional team of instructors, accurate procedure of evaluation, and up to date lab equipments.

Communication department in Modern Academy for Engineering and Technology have sent hundreds of students through past two years into *IMT School* for summer training and will continue in coming years.



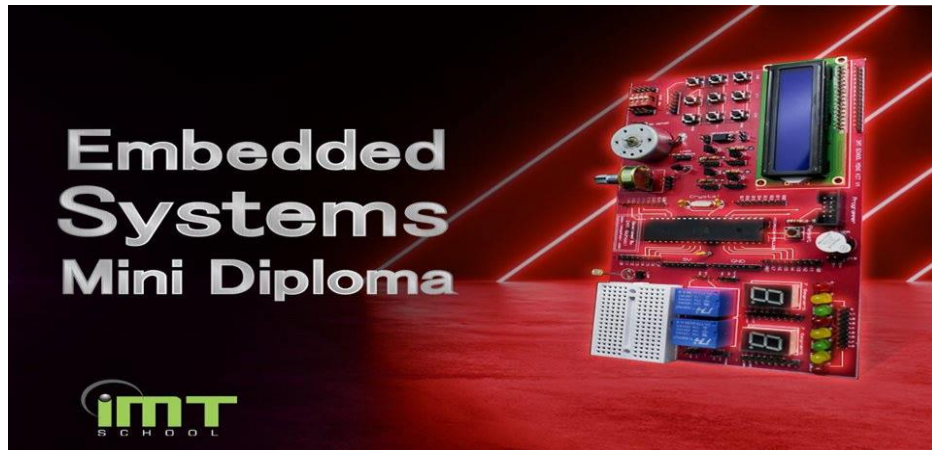
Industrial Training in charge
Dr. Nelly Muhammad Hussein

Manager of Training Office

Dr. Hoda Abo Hamza



Embedded Systems Mini Diploma



IMT is offering an optimized Mini Embedded Systems diploma recommended by national universities and institutes like Modern Academy, CIC and ITI. By the end of the diploma, students shall deliver a professional graduation project utilizing all the concepts learned during the course on the presence of high-level committee from the industry.

All instructors are teaching in ITI and have very high skills in teaching and delivering information. We use a unified content selected carefully and ensure all technical and practical aspects. Currently we have 7 branches in Dokki “Headquarter”, Nasr City, 6th of October, Abbasya, Maadi, Alexandria and Al-Mansoura.

80% of the diploma is about making your own embedded system (Set your HW environment and start developing your projects) and the rest 20% is embedded systems concepts that you must know. Each student gets a very professional kit developed by our team and its components is listed below.

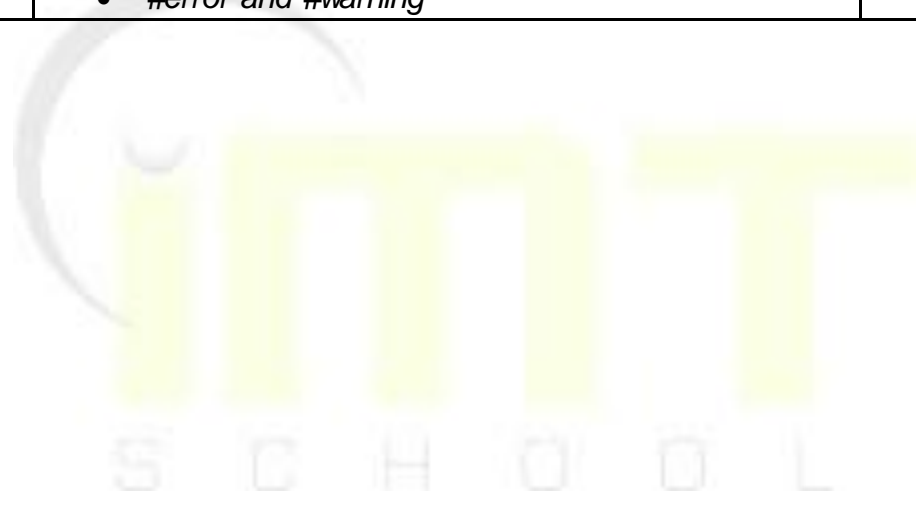
- AVR Atmega32 Microcontroller and AVR Programmer.
- DC Motors
- Character LCD and Seven Segment Displays.
- Analog Sensors (Temperature and Light).
- Mechanical Switches (DIP Switches, Keypad)
- Electrical Switches (Relay, Transistors, Darlington pair and Optocouplers).
- Basic Elements (Buzzer, LEDs, BreadBoard)
- USB to TTL converter
- Jumper wires to be used to build various circuits

Course 1

C Programming for Embedded Systems – 32 hours

Lectures	Outline	Hours
<i>Lecture 1</i>	<ul style="list-style-type: none">• Introduction to C programming• Code building process• Standard I/O library• Using printf function• Hello world program• Basic Data types in C• Variables in C• Using scanf function• C operators:<ul style="list-style-type: none">• Arithmetic operators• Assignment (= , *= , += , -= , /=)• Relational (> , < , >= , <= , == , !=)• Logical (&& , , !)• Bit wise (& , , ^ , << , >> , ~)• Ternary (?:)• Operator "sizeof"• Operator precedence	4 hours
<i>Lecture 2</i>	Conditional Statements <ul style="list-style-type: none">• If statement• Switch statement	4 hours
<i>Lecture 3</i>	Loops <ul style="list-style-type: none">• "while" Loop• "for" Loop• "do..while" Loop• "break" and "continue"	4 hours
<i>Lecture 4</i>	Functions <ul style="list-style-type: none">• Defining and calling functions• Function prototypes• Function parameters and return• Special types of functions	4 hours
<i>Lecture 5</i>	<ul style="list-style-type: none">• Arrays in C• Sorting Algorithms• Searching Algorithms	4 hours

<i>Lecture 6</i>	<i>Pointer</i> <ul style="list-style-type: none"> • <i>Introduction to Basic Pointers</i> • <i>Pointer Syntax</i> • <i>Pointer arithmetic</i> • <i>Pointers Vs Arrays</i> 	<i>4 hours</i>
<i>Lecture 7</i>	<i>Data Modifiers</i> <ul style="list-style-type: none"> • <i>Sign modifier</i> • <i>Size modifier</i> • <i>Storage modifier</i> • <i>Constant modifier</i> • <i>Volatility modifier</i> 	<i>4 hours</i>
<i>Lecture 8</i>	<i>C Preprocessor</i> <ul style="list-style-type: none"> • <i>#include directive</i> • <i>Macros in C</i> • <i>Conditional directives</i> • <i>#error and #warning</i> 	<i>4 hours</i>



Course 2

Embedded Systems Concepts – 4 hours

Lectures	Outline	Hours
<i>Lecture 1</i>	<ul style="list-style-type: none">• Embedded Systems definition• Embedded Systems design challenges• Inside the processor<ul style="list-style-type: none">○ Control Unit○ Arithmetic Logic Unit○ Register File○ Processor Buses• Processor Cycle Example• Volatile Memory Types<ul style="list-style-type: none">○ Static RAM○ Dynamic• Non Volatile Memory Types<ul style="list-style-type: none">○ Masked ROM○ OTP ROM○ EPROM○ EEPROM○ FLASH ROM○ NVRAM• System Architecture<ul style="list-style-type: none">○ Von Neumann Architecture○ Harvard Architecture• Input Output peripherals	<i>4 hours</i>

Course 3

Embedded Systems Interfacing – 36 hours

Lectures	Outline	Hours
<i>Lecture 1</i>	<ul style="list-style-type: none">• Digital Input Output Part 1<ul style="list-style-type: none">○ <i>Interfacing LEDs</i>○ <i>Interfacing 7-Segments</i>○ <i>Mechanical Switches</i>	<i>4 hours</i>
<i>Lecture 2</i>	<ul style="list-style-type: none">• Introduction to layered architecture• Defining Microcontroller Registers• Developing DIO Driver	<i>4 hours</i>
<i>Lecture 3</i>	<ul style="list-style-type: none">• Keypad Interfacing and driver	<i>4 hours</i>
<i>Lecture 4</i>	<ul style="list-style-type: none">• LCD Interfacing and driver	<i>4 hours</i>
<i>Lecture 5</i>	<ul style="list-style-type: none">• Electrical Switches<ul style="list-style-type: none">○ Transistors○ Relays○ Opto-couplers○ DC Motor	<i>4 hours</i>
<i>Lecture 6</i>	<ul style="list-style-type: none">• Introduction to Interrupts• Interrupt Handling Techniques• Digital External Interrupt	<i>4 hours</i>
<i>Lecture 7</i>	<ul style="list-style-type: none">• Analog to digital converter• Analog sensor<ul style="list-style-type: none">• Temperature sensor• Light sensor	<i>4 hours</i>
<i>Lecture 8</i>	<ul style="list-style-type: none">• Interval timers driver• Timer in counter mode	<i>4 hours</i>
<i>Lecture 9</i>	<ul style="list-style-type: none">• UART Serial Communication	<i>4 hours</i>